

WHAT IS CLAIMED IS:

1 1. A portable device comprising:

2 an embedded system on a chip having a first interface and a second interface;

3 an embedded graphics controller to generate a first rendered graphics data to be displayed on

4 an integrated display, said embedded graphics controller having an a first interface

5 coupled to the first interface of said embedded system on a chip and a second

6 interface coupled to the integrated display;

7 an embedded display interface to format a second rendered graphics data for output to a first

8 remote display, said embedded display interface having at least a first input coupled

9 to the second interface of said embedded system on a chip; and

10 said integrated display having an interface coupled to the second interface of the embedded

11 graphics controller.

1 2. The portable device as in Claim 1, wherein the embedded system on a chip includes a display

2 controller used to generate said second rendered graphics data and provide said second

3 rendered graphics data to said embedded display interface.

1 3. The portable device as in Claim 1, wherein:

2 said system on a chip provides non-rendered graphics data to said embedded graphics

3 controller; and

4 said embedded graphics controller generates said first rendered graphics data from said non-

5 rendered graphics data.

1 4. The portable device as in Claim 1, wherein said embedded graphics controller further includes a
2 third interface to interface with a second input of said embedded display interface, and
3 further wherein said embedded graphics controller is further used to provide said first
4 rendered graphics data to said embedded display interface for display on a second remote
5 display.

1 5. The portable device as in Claim 1, wherein said embedded controller generates control signals
2 used to control functionality associated with said embedded display interface.

1 6. The portable device as in Claim 1, wherein said integrated display includes a liquid crystal
2 display.

1 7. The portable device as in Claim 1, wherein said embedded graphics display interface is coupled
2 to said remote display.

1 8. The portable device as in Claim 1, wherein said embedded graphics display interface further
2 includes one of a Video Graphics Adapter output interface.

1 9. The portable device as in Claim 1, wherein said embedded graphics display interface further
2 includes a Transition Minimized Differential Signaling output interface.

1 10. The portable device as in Claim 1, wherein said embedded graphics display interface further
2 includes a Low Voltage Differential Signaling output interface.

1 11. The portable device as in Claim 1, wherein said first rendered graphics data is different from
2 said second rendered graphics data.

1 12. The portable device as in Claim 1, wherein said embedded display interface is disabled to
2 conserve power.

1 13. A system comprising:

2 a processor to receive a first and a second set of graphics data;

3 an output data bus for providing the first set of graphics data to an external graphics
4 controller, said external graphics controller to generate a first rendered graphics data
5 associated with the first set of graphics data provided using the output data bus.

6 a graphics controller to:

7 generate a second rendered graphics data based on the second set of graphics data;

8 and

9 provide the second set of rendered graphics data to an external display interface; and

10 a memory controller having a first port coupled to said graphics controller and a second port
11 coupled to system memory, said memory controller to provide access of system
12 memory to said graphics controller.

1 14. The system as in Claim 13, wherein said graphics controller includes a liquid crystal display
2 controller.

1 15. The system as in Claim 13, wherein said external graphics controller provides said first set of
2 rendered graphics data to an integrated display.

1 16. The system as in Claim 15, wherein said integrated display includes a liquid crystal display.

1 17. The system as in Claim 13, wherein said first and second set of rendered graphics data is
2 associated with an application processed with said processor.

1 18. The system as in Claim 13, wherein said system includes a portable device.

1 19. The system as in Claim 13, wherein said external display interface formats said second set of
2 rendered graphics data for a remote display.

1 20. The system as in Claim 13, wherein said output data bus further used to provide control data
2 associated with display settings of said external display interface.

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1 21. A method comprising the steps of:

2 receiving a first set of graphics data and a second set of graphics data;

3 providing the first set of graphics data to an external graphics controller, wherein the external
4 graphics controller generates a first set of rendered graphics data associated with the
5 first set of graphics data;

6 processing the second set of graphics data to generate a second set of rendered graphics data;
7 and

8 providing the second set of rendered graphics data to a display interface.

1 22. The method as in Claim 21, wherein the external graphics controller provides the first set of
2 rendered graphics data to an integrated display.

1 23. The method as in Claim 22, wherein the integrated display further includes a liquid crystal
2 display screen.

1 24. The method as in Claim 23, wherein the integrated display further includes a thin film transistor
2 screen.

1 25. The method as in Claim 21, wherein the display interface is used to provide the second set of
2 rendered graphics data to a remote display.

1 26. The method as in Claim 25, wherein the remote display includes a video graphics adapter
2 display.

1 27. The method as in Claim 25, wherein the remote display includes a Transition Minimized
2 Differential Signaling display.

1 28. The method as in Claim 25, wherein the remote display includes a Low Voltage Differential
2 Signaling display.

1 29. The method as in Claim 21, wherein the first set of rendered graphics data is different from the
2 second set of rendered graphics data.

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